

Application no.: 09/943,531

Docket no.: SGL-2020-UT

AMENDMENTIn the claims:

Please amend claim 7, cancel claim 12 without prejudice or disclaimer, and enter new claims 13 and 14, as set forth hereafter in the complete listing of the claims.

1-6 (Cancelled)

7. (Currently amended). A method for determining a Caucasian's human's capacity to metabolize a substrate of a CYP2C19 enzyme, which comprises:
identifying a haplotype on each chromosome comprising nucleotides at two or more polymorphic sites in a CYP2C19 5' flanking region ~~in a strand~~ of a human nucleic acid, wherein the haplotype comprises polymorphic sites are at positions 352 and 1060 of SEQ ID NO: 1, and predicting the capacity from the haplotype on each chromosome ~~the nucleotides identified at the two or more polymorphic sites~~.

8. (Previously presented). The method of claim 7, which comprises isolating the nucleic acid from the human.

9. (Previously presented). The method of claim 8, wherein the nucleic acid is DNA.

10. (Previously presented). The method of claim 9, wherein the DNA is single-stranded.

11. (Cancelled).

12. (Cancelled).

13. (New). The method of claim 7, wherein the capacity is an extensive metabolizer (EM) capacity.

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14. (New). The method of claim 7, wherein the capacity is a poor metabolizer (PM) capacity.

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